

This is based upon the mathematical proofs “From $1 + 1 = 2$ Up To $9 + 1 = 1$,” which is uploaded in www.archive.org

Again, $0 = \text{nothing} = \text{not counted} = \text{removed from the expression}$.

So, let's begin.

$$2 + 2 = 4:$$

$$2 + 2 = 22^+ = 1+11+1^+ = 1111^{+++} = 413^+,$$

$$3 + 1 = 4;$$

$$\text{therefore, } 2 + 2 = 3 + 1 = 4.$$

$$4 + 2 = 6:$$

$$4 + 2 = 24^+ = 1+12+2^+ = 1+11+1+1+1^+ = 111111^{+++++} = 615^+,$$

$$5 + 1 = 6;$$

$$\text{therefore, } 4 + 2 = 5 + 1 = 6.$$

$$6 + 2 = 8:$$

$$6 + 2 = 26^+ = 1+14+2^+ = 1+12+2+1+1^+ = 1+11+1+1+1+1+1^+ = 11111111^{+++++++} = 817^+,$$

$$7 + 1 = 8;$$

$$\text{therefore, } 6 + 2 = 7 + 1 = 8.$$

$$8 + 2 = 1:$$

$$8 + 2 = 28^+ = 1+16+2^+ = 1+14+2+1+1^+ = 1+12+2+1+1+1+1^+ = 1+11+1+1+1+1+1+1^+ = 1111111111^{+++++++} = 1019^+ = 119^+,$$

$$9 + 1 = 1;$$

$$\text{therefore, } 8 + 2 = 9 + 1 = 1.$$

$$1 + 2 = 3:$$

$$1 + 2 = 12^+ = 11+1^+ = 111^{++} = 312^+,$$

$$1 + 2 = 3;$$

$$\text{therefore, } 2 + 1 = 1 + 2 = 3.$$

$$3 + 2 = 5:$$

$$3 + 2 = 23^+ = 1+11+2^+ = 1+11+1+1^+ = 11111^{++++} = 514^+,$$

$$4 + 1 = 5;$$

$$\text{therefore, } 3 + 2 = 4 + 1 = 5.$$

$$5 + 2 = 7:$$

$$5 + 2 = 25^+ = 1+13+2^+ = 1+11+2+1+1^+ = 1+11+1+1+1+1^+ = 1111111^{+++++} = 716^+,$$

$$6 + 1 = 7;$$

$$\text{therefore, } 5 + 2 = 6 + 1 = 7.$$

$$7 + 2 = 9:$$

$$7 + 2 = 27^+ = 1+15+2^+ = 1+13+2+1+1^+ = 1+11+2+1+1+1+1^+ = 1+11+1+1+1+1+1+1^+ = 111111111^{+++++++} = 918^+,$$

$$8 + 1 = 9;$$

$$\text{therefore, } 7 + 2 = 8 + 1 = 9.$$

$$9 + 2 = 2:$$

$$9 + 2 = 29 + = 1 + 19 + = 9 + 1 + 1 = 1 + 1 = 2;$$

$$\text{therefore, } 9 + 2 = 1 + 1 = 2.$$